UNITED STATES PATENT AND TRADEMARK OFFICE **CERTIFICATE OF CORRECTION**

PATENT NO.

: 7,474,648 B2

DATED

APPLICATION NO.: 10/679439

: January 6, 2009

Page 1 of

INVENTOR(S)

: Jonsson et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

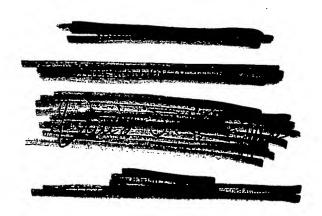
Figure 4c is missing in the Issued Patent, and should be added as shown on attached page.

In Column 1, Lines 41-51, delete "different times.(ISI)." and insert the same at Line 39, after "receiver at" as a continuation of the paragraph.

In Column 11, Line 13, delete "(step 427)." and insert -- 437 --, therefor.

Delete the title page and substitute therefore the attached title page showing the corrected number of drawing sheets in patent.

This certificate supersedes Certificate of Correction 155wed June 15, 2010.





(12) United States Patent Jonsson et al.

(10) Patent No.:

US 7,474,648 B2

(45) Date of Patent:

Jan. 6, 2009

·(54)	FILTERING MULTIPATH PROPAGATION
	DELAY VALUES FOR USE IN A MOBILE
	COMMUNICATIONS SYSTEM

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(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 763 days.

(21) Appl. No.: 10/679,439

(22) Filed: Oct. 7, 2003

(65) **Prior Publication Data**US 2004/0259576 A1 Dec. 23, 2004

Related U.S. Application Data

- (60) Provisional application No. 60/479,151, filed on Jun. 18, 2003.
- (51) Int. Cl. H04B 7/216

(2006.01)

- (52) U.S. Cl. 370/342; 370/350; 455/67.16

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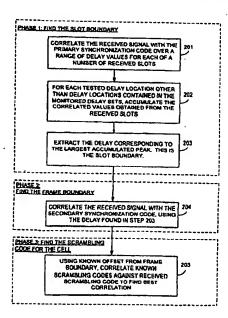
* cited by examiner

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(57) ABSTRACT

A time slot boundary of an unknown cell in a telecommunications system is identified by correlating a received signal with a known code over a range of delay values for each of one or more time slots, wherein the known code is used by all cells in the telecommunications system. Only for each of the delay values that are not associated with a known cell, correlation values obtained at each of the one or more time slots are accumulated. The time slot boundary is identified by determining which of the delay values is associated with a highest accumulated correlation value. One or more stored monitored delay sets may be used to determine which delay values are not associated with a known cell. The one or more stored monitored delay sets may be filtered using delay information obtained over a period of time.

54 Claims, 6 Drawing Sheets



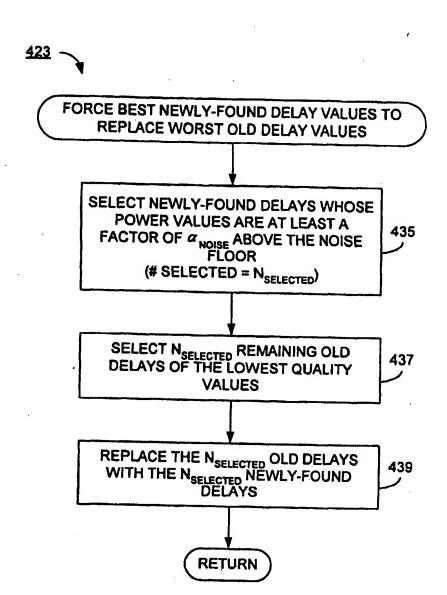


FIG. 4C